



A quarterly electronic publication from the

NASA Scientific and Technical Information (STI) Program

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July 1999

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...From the STI Lead Center at Langley



New NASA STI Website Now in Production

The new STI website was designed with users in mind. Browse through abstracts of new research on NASA's ten **Topics of Interest**, or those in support of the four **NASA Strategic Enterprises**. You can also **Search Selected Databases** in depth, on your own, including the NASA Image eXchange. Let us know if we can help you further, by completing the **User Comments** form.

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NATO Research and Technology Organization Conference

Representatives of the STI Program Office and the NASA Center for Aerospace Information (CASI) recently attended the NATO Research and Technology Organization (RTO) conference in Winchester, England. The STI Program's CASI is the US distributor and sales agent for RTO publications. NATO is examining a digital document implementation in the near future.

NIX Funding

NASA Image eXchange (NIX) funding awards for FY 2000 have been selected. These include Dryden Flight Research Center, Wallops Flight Facility, Goddard Space Flight Center, Glenn Research Center, and the NASA Headquarters History Office.

NASA STI HelpDesk

Has your address changed?.....Let us know!

Do you have an aerospace question?.....We can help!

Is there a STI document you cannot find?.....We are here!

Call us--Fax us--E-mail us--We'll get the job done! And we'll get the job done right or our name is not the NASA STI HelpDesk!

301-621-0390 Fax: 301-621-0390 help@sti.nasa.gov

CASI Pays Courtesy Calls at Two Stennis Offices

The Spinoff Project Manager and the Lead Technical Information Specialist visited the John C. Stennis Space Center in Mississippi on Friday, June 25. They discussed the NASA STI program and CASI's role in information dissemination with the Technology Transfer Office and Naval Oceanographic Library managers. They also met with the Technical Transfer Officer and the head of the SBIR Program at Stennis. The discussion centered on the Spinoff publication process and Stennis support in that operation.

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STI Lead Center Cont.

Space 2000 Symposium

Anyone who missed the Space 2000 Symposium can catch up on what happened there by acquiring a recent videotape of the proceedings. The purpose of the Symposium was to present the creativity and achievements of key figures of the 20th century. It offers a retrospective discussion on space exploration, considers the future, and the legacy that will be left for future generations. The Symposium includes panel discussions, smaller session meetings, exhibits, and displays. Six sessions are covered, including From Science Fiction to Science Facts and Risks and Rewards of Human Space Exploration. The film runs for 7 hours and 38 minutes, is in color, with sound, and was sponsored by NASA, the American Astronautical Society, American University, and the DC Space Consortium.



...STI Program Plan

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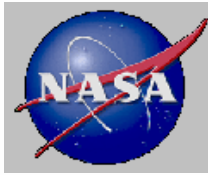
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In part, the NASA STI Program states, "The NASA Scientific and Technical Information Program is an integral part of NASA's future. The program supports the Agency's missions to communicate scientific knowledge and understanding to help transfer NASA's research and development to the aerospace and academic communities.... By ensuring a fast, two-way process of internal and external information exchange, the STI Program helps NASA avoid duplication of research, time, and cost and to make its wealth of information available to benefit its customers.... Each Center is responsible for acquiring, tracking, and producing, or having produced, NASA STI related to their Center mission; and for ensuring that Center STI reaches the STI Database [at the NASA Center for AeroSpace Information]."

To that end, each NASA Center executes the STI Program mission and objectives by way of a team of individuals that applies professional publishing standards to all scientific and technical information passing through its doors. Whether the information will result in a document to be distributed through the traditional print and mail process or an electronic document available on the Internet--or both--the team is responsible for making it happen, going through the process step-by-step with each customer. For information about the STI Program at any NASA Center, visit http://stipo.larc.nasa.gov/sti_link4text.html.



...From Dryden



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NASA/TP-1999-206568: "Fifty Years of Flight Research: An Annotated Bibliography of Technical Publications of NASA Dryden Research Center, 1946-1996"

NASA/TP-1999-206568, by David F. Fisher, provides citations and abstracts for more than 2200 unclassified and unrestricted technical reports and papers. Reports are listed in chronological order and indexed by author and aircraft. Appendixes include citations of 233 contractor reports, over 200 UCLA Flight System Research Center reports, and 25 videotapes.



...From Goddard

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Goddard Celebrates 40th Anniversary

The Goddard Space Flight Center celebrated in May its 40th anniversary. As one of many exciting activities to commemorate this event, the Center published Dreams, Hopes, Realities--NASA's Goddard Space Flight Center, The First Forty Years. The book, by Los Angeles freelance writer Lane E. Wallace, was edited and proofread by Senior Technical Writer/Editor Terri Randall of the publications office in the Technical Information Services Branch. Her skill and attention to detail earned her an author's acknowledgment for her invaluable contribution to the 219-page special publication. Graphic artist Carol Ladd, and photographer Mark deBord, both of the TISB, also received thanks for providing a number of the photos that illustrated the full-color, soft-cover history. The book was designed and produced by TISB contractor Mona Kiely of M and M Design Group, Inc. Each Goddard civil servant received a copy of the book, the latest in the NASA history series.

TISB Carnival of Services

The Technical Information Services Branch will be hosting its third outreach activity, a TISB Carnival of Services, on September 15. The 3-hour event is designed to acquaint Goddard personnel with the many products offered by the branch, including conferencing, duplicating, publications, graphics and design, printing and photography. TISB staff will be on hand to showcase the branch's products, answer questions and advise interested Goddard personnel on how TISB can help them to best present their scientific and technical information. The exhibition will take place in the lobby of building 21, just outside the library.



...From Marshall



Restructuring at Marshall Space Flight Center

The Marshall Space Flight Center experienced a major restructuring in late May 1999. As part of the reorganization, the STI team has been transferred to another department within the Center Operations Directorate. The MSFC Technical Library, Technical Publications, and Graphics functions as well as the Documentation Repository, Directives, Forms, and Records Management functions are now located in the Information Services Department. This change should align more closely the information creation and management functions with the information technology service functions.

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...From Jet Propulsion Laboratory



JPL STI Manager Featured Speaker

JPL STI Manager Linda J. Kosmin was the featured speaker and presented a paper entitled Scholarly Electronic Full-text Publications via the Internet: Issues and Impacts at the luncheon meeting of the IEEE Society for the Social Implications of Technology's Los Angeles Chapter. The meeting was held at the California Institute of Technology's Athenaeum on May 25, 1999.

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...NASA Headquarters



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Proposed Symposium on Launch Vehicles

We are exploring the possibility of holding a historical symposium with the tentative title, "NASA-DOD Launch Vehicles: The Past, Present, and Future of a Governmental Partnership." We invite proposals for papers to be delivered at this one-day symposium, to be held in Washington, D.C., during the week of November 8-12, 1999. Special consideration for presentation will be papers that explore broad conceptual themes relative to the progress of access to space from the development of the first ballistic missiles through present and future launch systems. Presenters may expect their presentations to be published in a scholarly book on this subject. For further information contact Roger D. Launius, NASA Chief Historian, Code ZH, NASA History Division, NASA Headquarters, Washington, D.C. 20546 (202) 358-0383, Fax (202) 358-2866, E-mail roger.launius@hq.nasa.gov. Deadline for receiving proposals is July 15, 1999.



...NASA History Office



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New NASA History Publications

Originally published in the NASA History Series in 1966, This New Ocean: A History of Project Mercury (NSA SP-4201, reprint 1998), by Loyd S. Swenson, Jr., James M. Grimwood, and Charles C. Alexander, is now in softcover with all the original text and images. This book, including shipping and handling (stock number 033-000-01210-1), is \$46 and available by calling the NASA Information Center or the Government Printing Office. By mail contact the Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15250-7954. Fax: (202) 512-2250 Phone: (202) 512-1800

New NASA Historical Information Now On-Line

The final joint U.S./Russia report of the ISS Phase I: Shuttle-Mir program is now located at <http://www.hq.nasa.gov/osf/station/issphase1sci.pdf> on the Web.

Published in 1985, Living Aloft: Human Requirements for Extended Spaceflight (NASA SP-483) can be found at <http://www.hq.nasa.gov/office/pao/History/SP-483/cover.htm>.

Enchanted Rendezvous: John C. Houbolt and the Genesis of the Lunar-Orbit Rendezvous Concept, by James R. Hansen is now available at <http://www.hq.nasa.gov/office/pao/History/monograph4/splash2.htm>. In honor of the 30th anniversary of Apollo 11, we have also reprinted this monograph.

A Meeting with the Universe: Science Discoveries from the Space Program (NASA EP-177, 1981) is now on-line at <http://www.hq.nasa.gov/office/pao/History/EP-177/cover.html>.

We are pleased to announce that a new set of Skylab technical diagrams and drawings are now available on the Web at <http://www.hq.nasa.gov/office/pao/History/diagrams/diagrams.htm>. We hope to make drawings and diagrams of the Apollo-Soyuz Test Project and the space shuttle available in the coming months.

NASA's Space Food and Nutrition, an educational guide with activities in science and mathematics, can be found on the Spacelink site at <http://www.spacelink.nasa.gov/products/Space.Food.and.Nutrition>.

We proudly announce a new addition to our Website. Visit <http://www.hq.nasa.gov/office/pao/History/40thmerc7/intro.htm> for information celebrating the 40th Anniversary of the Formation of the Mercury Seven.

The scientific and technical reports of astronauts M. Scott Carpenter and Walter M. Schirra's orbital flights are now available. Results of the Second U.S. Manned Orbital Space Flight (NASA SP-6, 1962) are at <http://www.hq.nasa.gov/office/pao/History/SP-6/cover.htm> and results of the Third U.S. Manned Orbital Space Flight (NASA SP-12, 1962) can be found at <http://www.hq.nasa.gov/office/pao/History/sp-12/cover.htm>.

Wind Tunnels of NASA (NASA SP-440, 1981), Donald D. Baals and William R. Corliss' work covering the early wind tunnels to "wind tunnels of the space age," can be found at <http://www.hq.nasa.gov/office/pao/History/SP-440/cover.htm>.

Wingless Flight: The Lifting Body Story (NSA SP-4220, 1997), written by R. Dale Reed with Darlene Lister, is now on-line at <http://www.dfrc.nasa.gov/History/Publications/WinglessFlight/>.

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Quest Needs Your Support

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The University of North Dakota's Space Studies Department has assumed publication of Quest: The Magazine of Spaceflight. The magazine is once again exclusively covering the history of spaceflight, and has been renamed Quest: The History of Spaceflight Quarterly.

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"We will work to further Quest's growth in both stature and readership. Our aim is to make Quest the journal of choice for space historians, with fully peer-reviewed articles, along with well written shorter pieces that will entertain as well as educate," says editor Dr. Stephen Johnson.

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Quest seeks and publishes diverse articles on the history of humanity's endeavors in space. These have included articles on military and civilian rocketry, human spaceflight, robotic exploration, and the American and Soviet programs. In addition, Quest now includes historical articles on other topics such as ground systems technology, European and Asian space programs, and media coverage of space activities.

Cost for a subscription is \$29.95/year for U.S. residents, \$35/year in Canada and Mexico, and \$45/year for overseas subscribers. To subscribe, please contact UND-Quest, Space Studies Department, Box 9008, Grand Forks, ND 58202-9008. More information about Quest can be found on the Internet at <http://www.space.edu/quest>, via e-mail at info@quest.space.edu, or contact Suzzette Bieri at (701) 777-4856.

Internship Opportunities

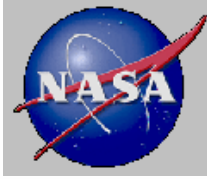
The NASA History Office currently has an internship program for undergraduates. We are looking for interns for both the academic year and the summer. The unpaid internship is approximately 20 hours per week and college sophomores and juniors are preferred. Interns have the opportunity to take on significant responsibilities in editing, doing research, answering information requests, and preparing documents in HTML for the World Wide Web. See <http://www.hq.nasa.gov/office/pao/History/interncall.htm> on the Web for more information.

Upcoming Meetings

On July 14-17, 1999, the 11th Biennial International Conference of the Society for Philosophy and Technology will be held in conjunction with the annual meeting of the Society for Philosophy and Geography in San Jose, California. The theme will be "Technological Spaces." Contact <http://www.spt.org>.

On July 19-23, 1999, UNISPACE III, a global gathering of United Nations member states to discuss the Peaceful Uses of Outer Space, will be held in Vienna, Austria. Its purpose is to support an exchange of ideas among space agencies, space industries, and other space-related organizations. Contact Howard O'Brien, American Institute of Aeronautics and Astronautics, 1801 Alexander Bell Drive, #1801, Reston, VA 20191, 800-639-2422.

On August 12-15, 1999, the Mars Society's 2nd Annual Convention will be held in Boulder, Colorado. Contact the Mars Society, P.O. Box 273, Indian Hills, CO 80454. E-mail: info@marsociety.org/.



The NASA Commercial Technology Program... An Overview



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The NASA Commercial Technology Program encompasses a national network of specialized centers and organizations that assist U.S. businesses and industry in accessing, utilizing, and commercializing NASA-funded research and technology. The organizations work closely with each other to provide a full range of technology transfer and commercialization services and assistance. The NASA Commercial Technology Network (NCTN) consists of the Commercial Technology Organizations at each of the NASA field centers, the Jet Propulsion Laboratory, the National Technology Transfer Center (NTTC), the six Regional Technology Transfer Centers (RTTCs), NASA Tech Briefs, COSMIC, UNISPHERE, and other specialized organizations and services. All are dedicated to fostering dual-use technology partnerships and the transfer and commercialization of NASA-sponsored research and technology.

The NCTN provides access to a wide variety of information resources that can be searched and consulted for research and technology, patents, technical expertise, and R&D facilities, as well as for technology partnering, licensing, and commercialization opportunities. In addition to serving as an integrated information resource, the NCTN is developing into an electronic marketplace for NASA-sponsored technology, facilitating communications, transactions, and partnerships between NASA and the U.S. private sector.

Visit the NCTN website at <http://www.nctn.hq.nasa.gov> for more information on the NASA Commercial Technology Program and the members of its network.



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NASA's premier publication, **Spinoff**, features over 40 companies annually that have successfully utilized NASA technology in commercial products and processes. The main purpose of the publication is to generate greater awareness of the practical benefits resulting from the nation's investment in aerospace research and development.

Each year NASA distributes tens of thousands of **Spinoffs** through trade shows, conferences, and special requests. The **Spinoff** website, located at <http://www.sti.nasa.gov/tto/spinoff.html>, includes a searchable database with an entry for every article, as well as manufacturer information for articles published since 1986. Online versions of Spinoff 1996, 1997, and 1998 can also be accessed through this site.

The **Spinoff** publication focuses on NASA's contributions to areas in the private sector, including health and medicine, transportation, public safety, home and recreation, environment and resources, computer technology, and industrial productivity.

The **Spinoff** team welcomes new information regarding companies with successfully transferred NASA technology into the development of a commercial product. If you know of any companies that have done so, please contact the **Spinoff** editors, Ms. Zoë Rush, at zrush@sti.nasa.gov, telephone (301) 621-0244, or Mr. David Ferrera, at dferrera@sti.nasa.gov, telephone (301) 621-0242.

To receive a printed copy of **Spinoff**, please contact the National Technology Transfer Center (NTTC) at (800) 678-6882 or visit the NTTC website at <http://www.nttc.edu>.
